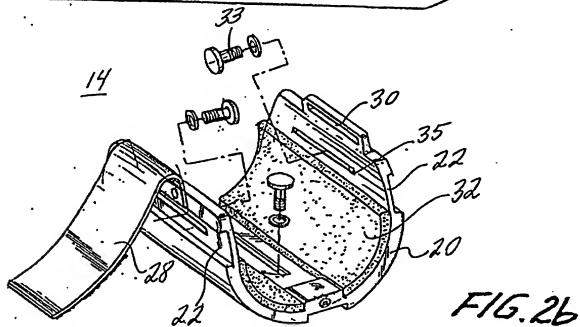
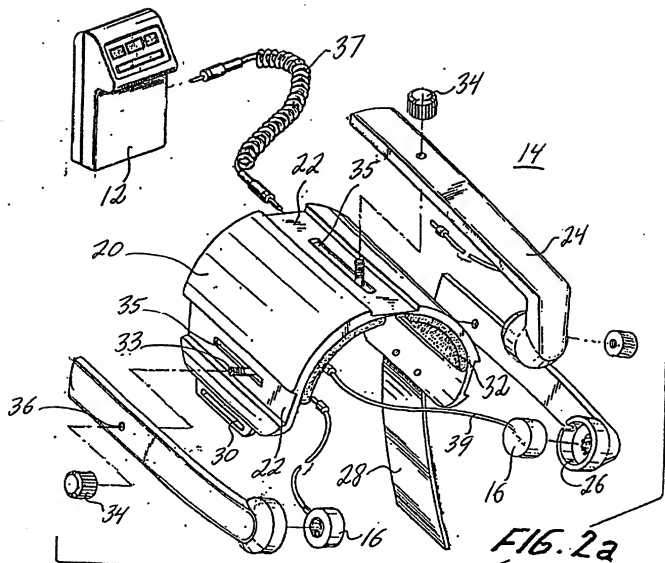


FIG. 1



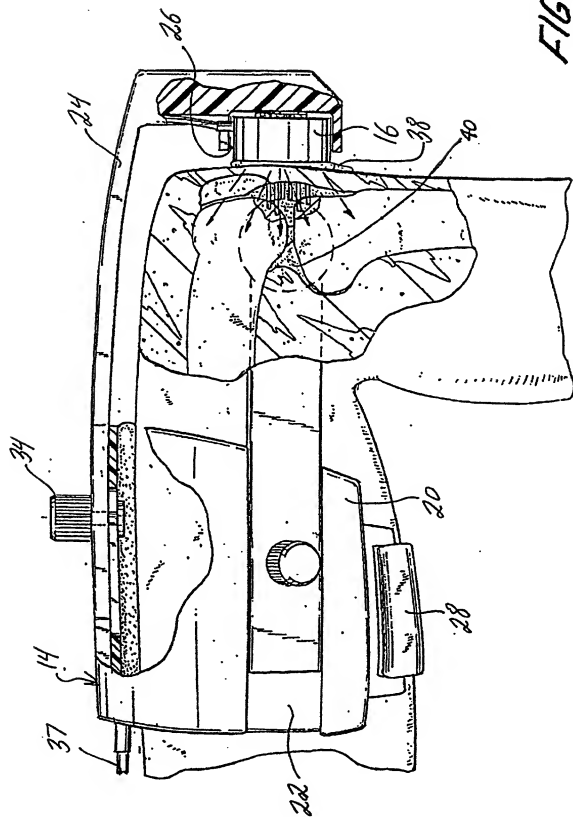


FIG. 3

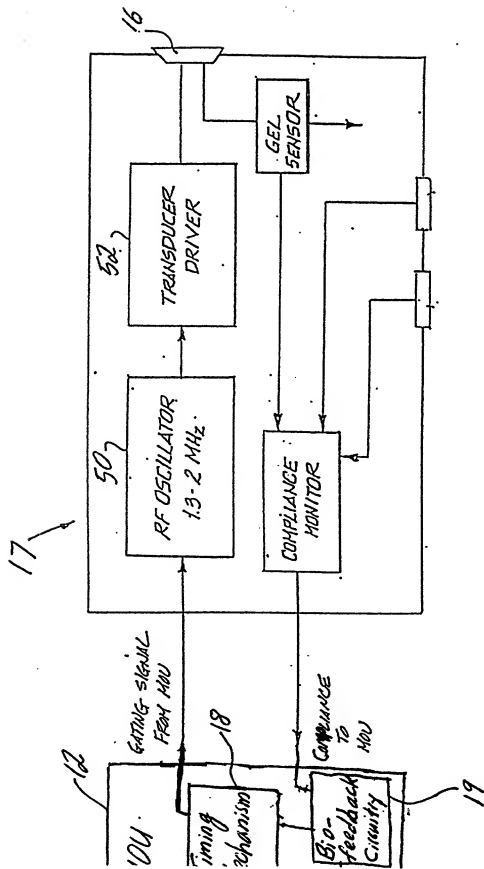


FIG. 4A

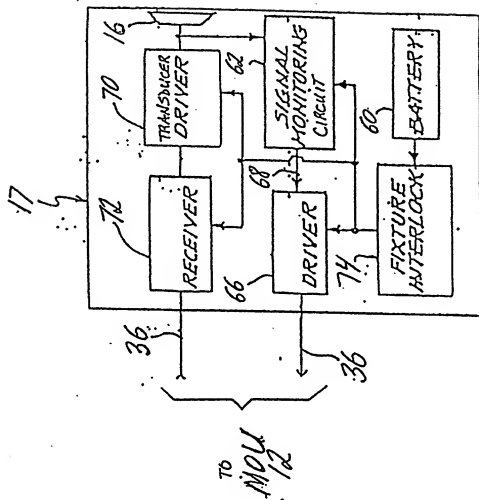


Fig. 4B

FIG. 5

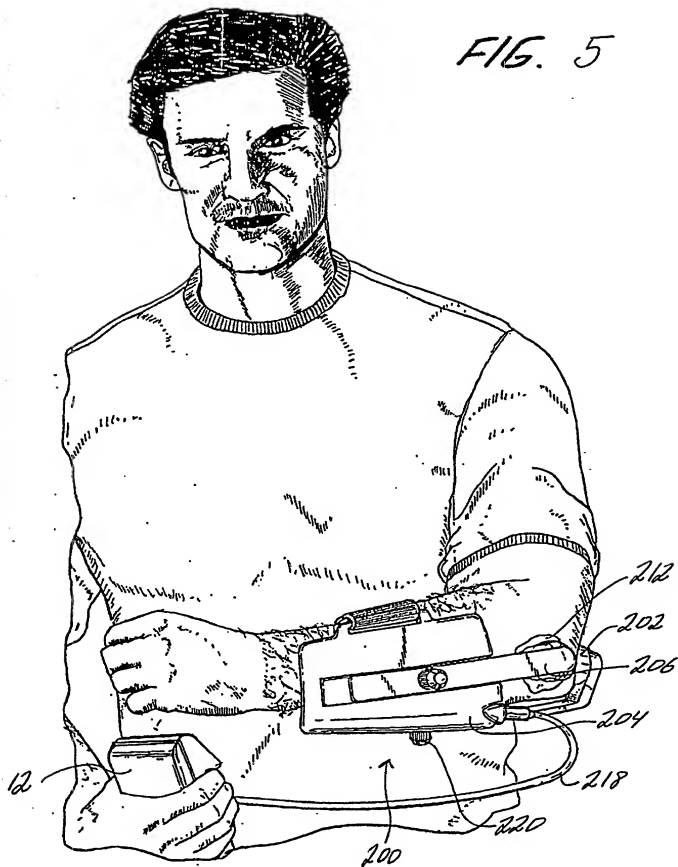
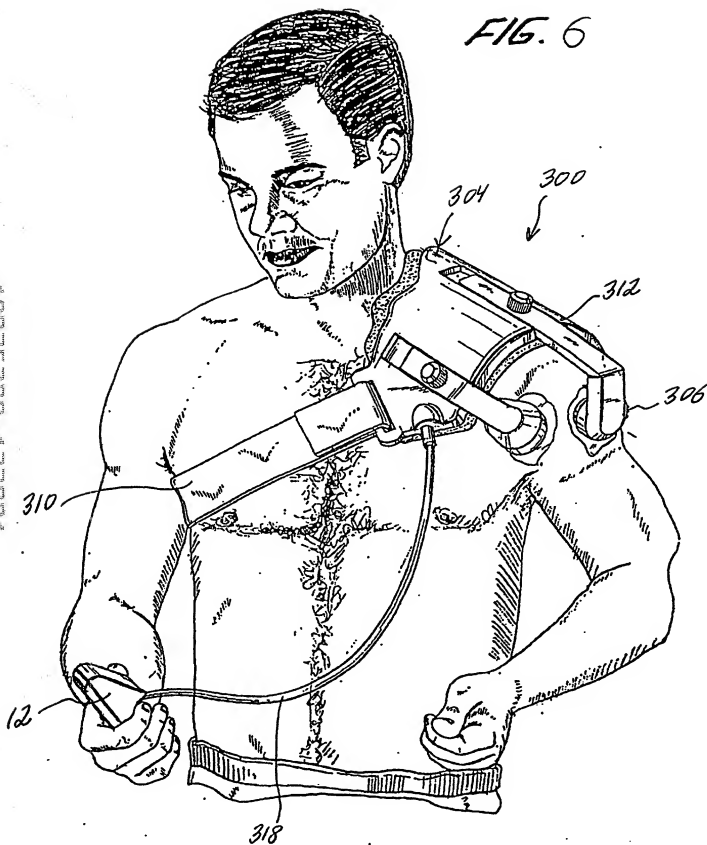
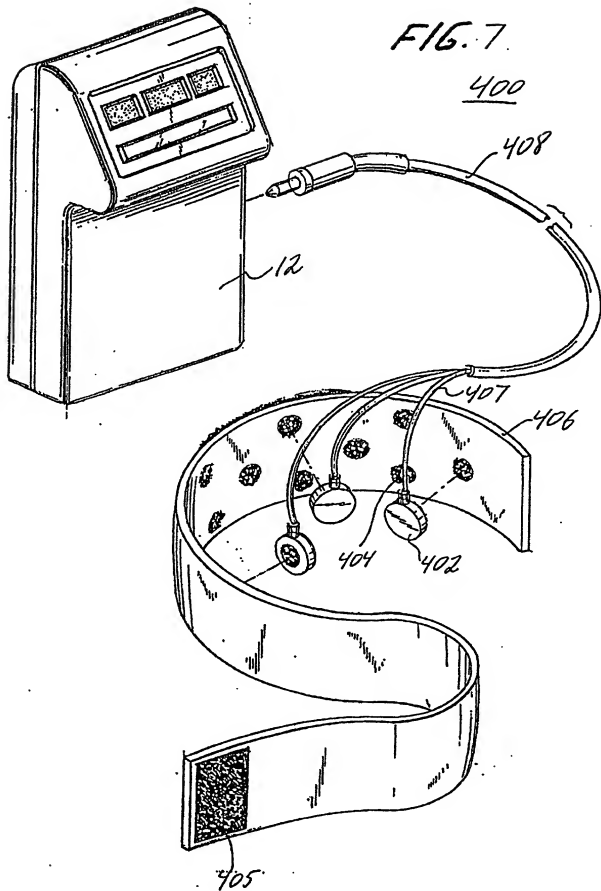


FIG. 6



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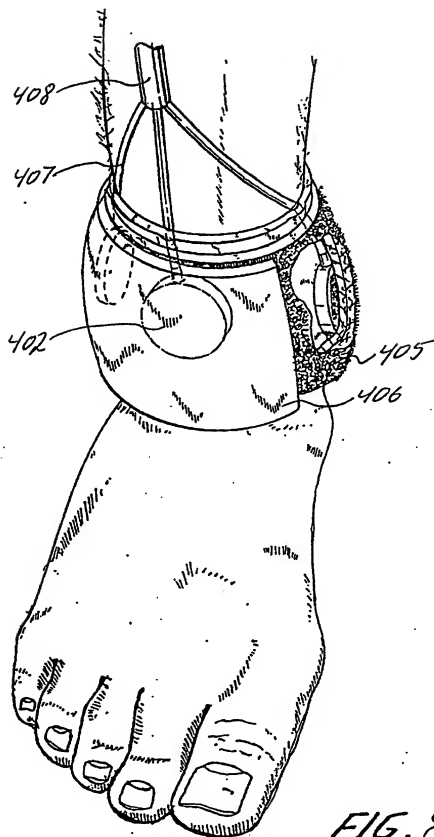


FIG. 8

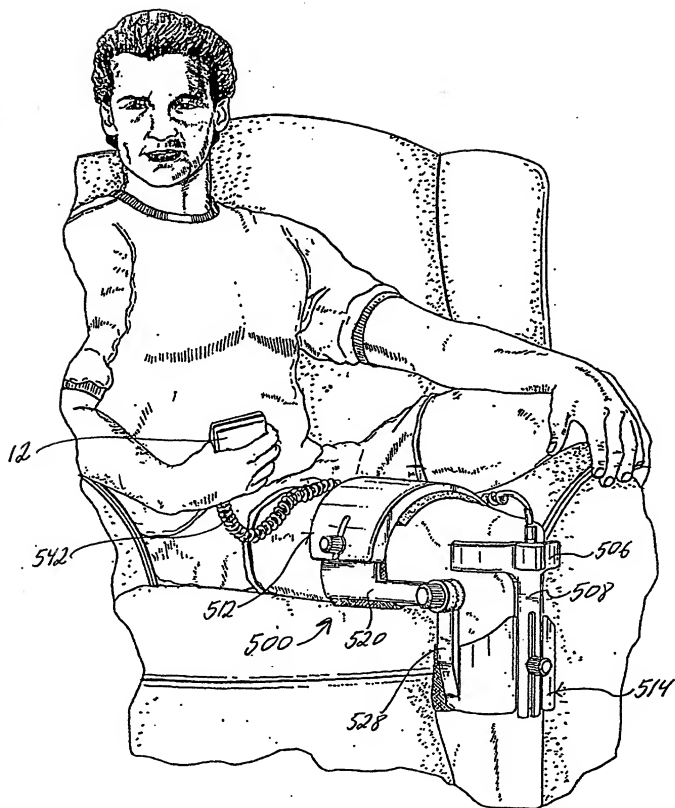
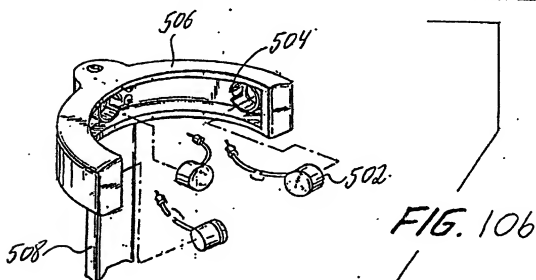
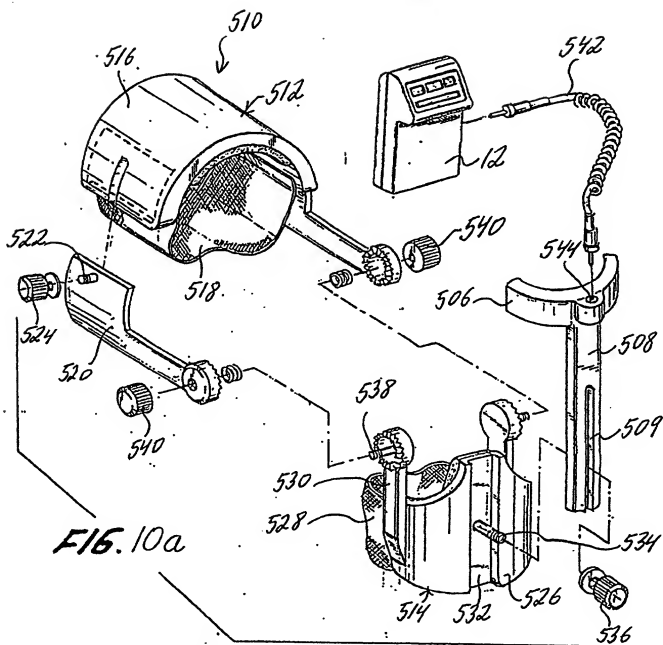


FIG. 9



A

STIMULATING A RECONSTRUCTIVE  
HEALING RESPONSE AT THE  
OSTEOCHONDRAL INJURY SITE BY  
MECHANICALLY DRILLING, LASER  
DRILLING, ADMINISTERING  
CHEMICAL OR BIOCHEMICAL  
TREATMENTS, SCRAPING, ETC.

B

IRRADIATING THE  
OSTEOCHONDRAL INJURY SITE  
WITH ULTRASONIC WAVES FOR A  
TIME SUFFICIENT TO ACCELERATE  
THE HEALING RESPONSE

C

*Automatically terminating  
irradiation after a  
predetermined period of  
time*

FIG. 11A

STIMULATING A RECONSTRUCTIVE  
HEALING RESPONSE AT THE  
OSTEOCHONDRAL INJURY SITE BY  
MECHANICALLY DRILLING, LASER  
DRILLING, ADMINISTERING  
CHEMICAL OR BIOCHEMICAL  
TREATMENTS, SCRAPING, ETC.

IRRADIATING THE  
OSTEOCHONDRAL INJURY SITE  
WITH ULTRASONIC WAVES FOR A  
TIME SUFFICIENT TO ACCELERATE  
THE HEALING RESPONSE

*Monitoring the condition  
of the treatment site  
and regulating the  
signal characteristics  
of the ultrasonic waves  
accordingly*

*Automatically terminating  
irradiation after a  
predetermined period of  
time*

*B1*

FIG. 11B

A

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3

STIMULATING A RECONSTRUCTIVE  
HEALING RESPONSE AT THE  
OSTEOCHONDRAL INJURY SITE BY  
MECHANICALLY DRILLING, LASER  
DRILLING, ADMINISTERING  
CHEMICAL OR BIOCHEMICAL  
TREATMENTS, SCRAPING, ETC.

IRRADIATING THE  
OSTEOCHONDRAL INJURY SITE  
WITH ULTRASONIC WAVES FOR A  
TIME SUFFICIENT TO ACCELERATE  
THE HEALING RESPONSE

*Changing at least one  
signal characteristic  
of the ultrasonic  
waves*

B1

*Automatically terminating  
irradiation after a  
predetermined period of  
time*

C

FIG. 11C

FIG. 12a

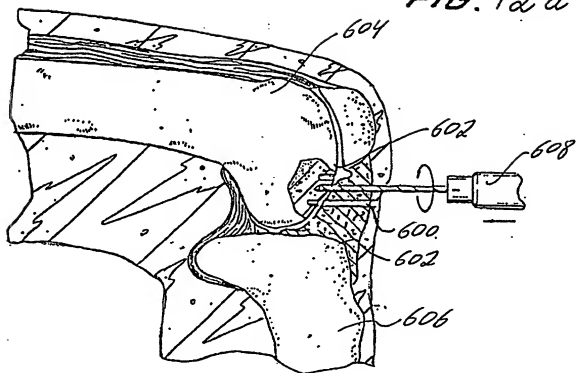


FIG. 12b

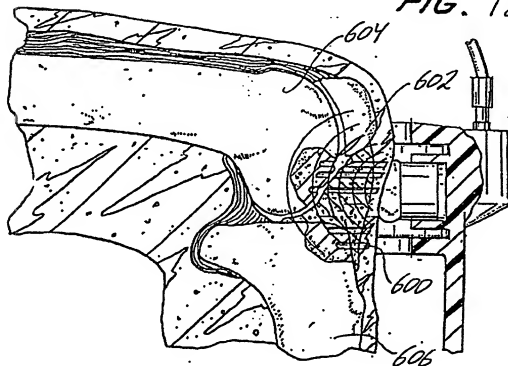


FIG.13A



FIG.13B



FIG.13C





FIG.14A



FIG.14C



FIG.14B



FIG.14D

FIG.15A



FIG.15C



FIG.15B



FIG.15D

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FIG.16A



FIG.16C



FIG.16B



FIG.16D

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FIG.17A



FIG.17B



FIG.17C



FIG.17D



FIG. 18A





FIG.18B



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FIG.18C



FIG.18D



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FIG. 19A



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FIG. 19C

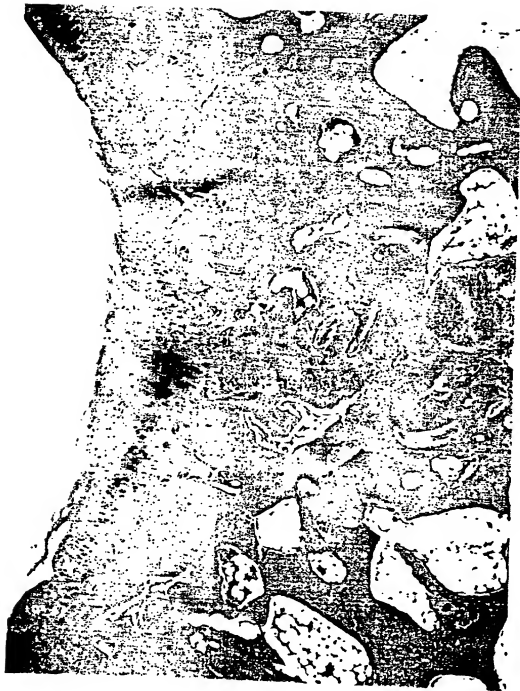


FIG. 19D



FIG.13A



FIG.13B



FIG.13C



FIG.14A



FIG.14C



FIG.14B



FIG.14D



FIG.15A

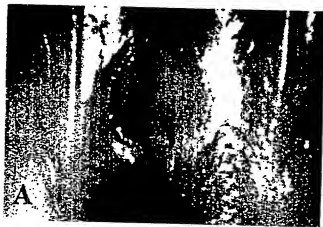


FIG.15C



FIG.15B



FIG.15D



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FIG.16A

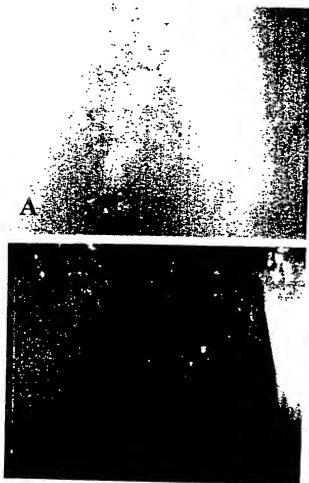


FIG.16C

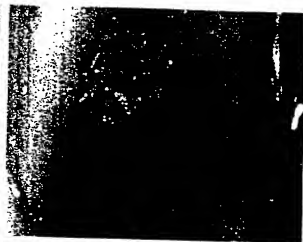


FIG.16B



FIG.16D



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FIG.17A



FIG.17B



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FIG.17C



FIG.17D



FIG. 18A



FIG. 18B





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FIG.18C



FIG.18D



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FIG. 19A



100221-06292001

FIG.19B



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FIG.19C

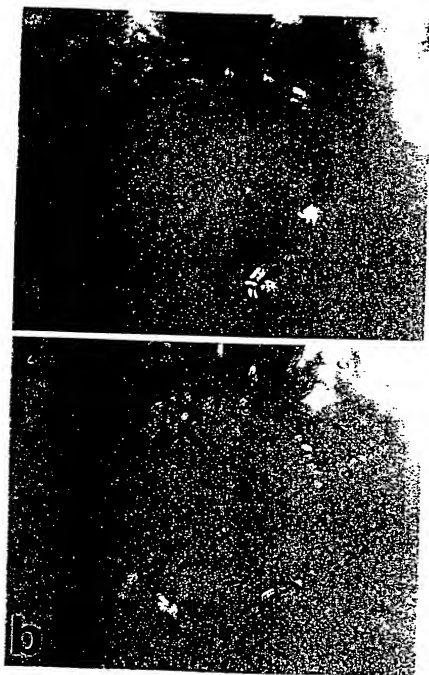


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FIG.19D

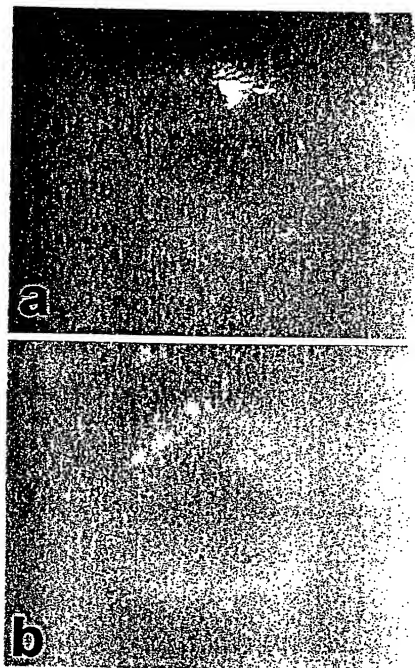


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*Fig. 20*

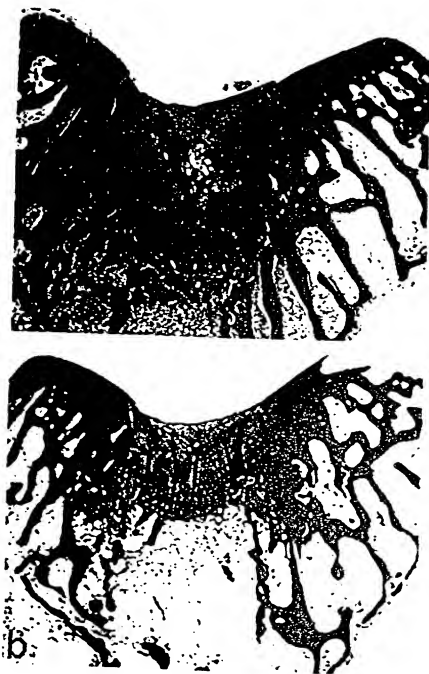
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*Fig. 21*



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*Fig. 22*

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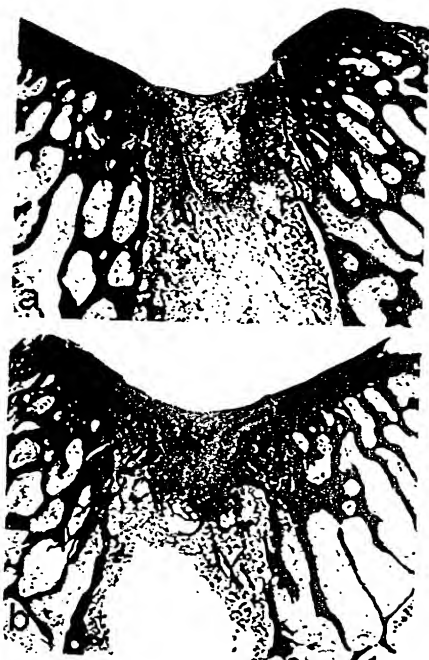
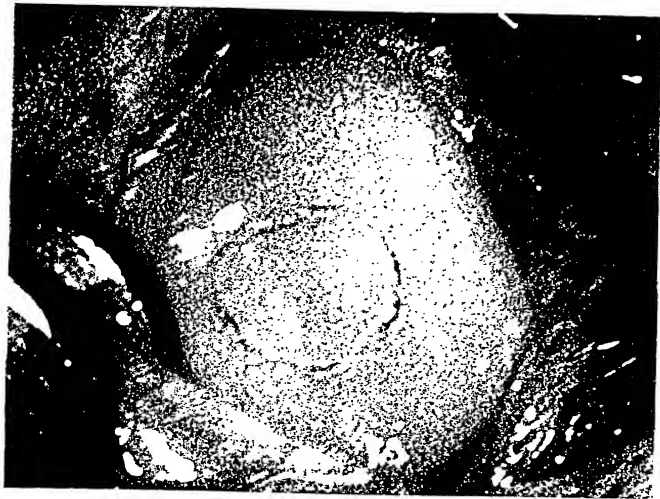


Fig. 23

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*Fig. 24*

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*Fig. 25*

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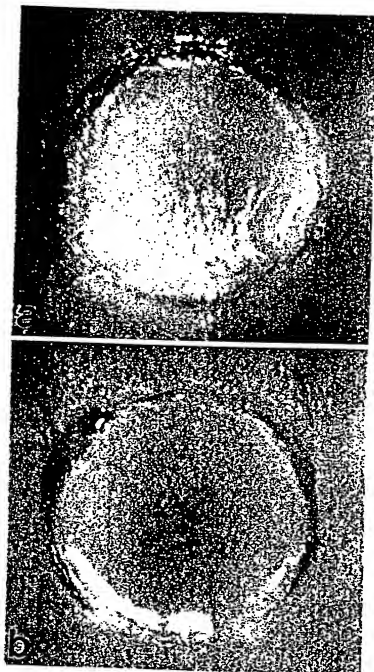
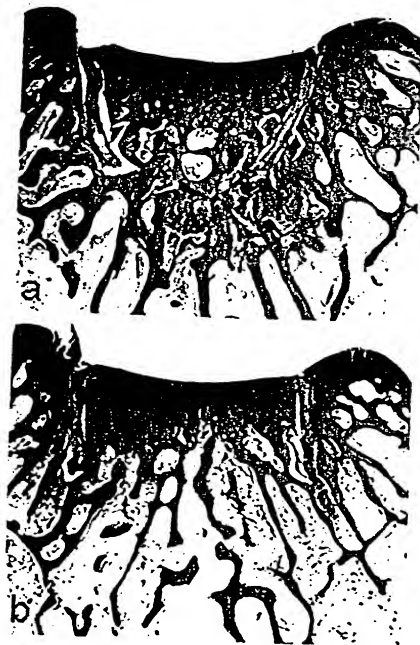


Fig. 26

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*Fig. 27*

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*Fig. 28*